

In the Drawings:

Please note that the drawings have not been amended, as amendments were made to the text as described above.

In the Claims:

Please amend claims 14, 44, 46, 48, 50 and 52 as follows:

B9  
14. (Amended) A preparation comprising a protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, the preparation being free of non-heparanase polypeptides encoded by human nucleic acid sequences.

B10  
16. (Amended) An isolated protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being substantially devoid of glycosilation.

B11  
18. (Amended) A preparation comprising a protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, the preparation being substantially free of a CXC chemokine or PAll.

B12  
20. (Amended) An isolated protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being characterized by insect cell derived sugar post-translational modifying groups.

B<sub>13</sub>

22. (Amended) An isolated protein having heparanase catalytic (endo-  $\beta$  -D-glucuronidase) activity or being cleavable so as to acquire said heparanase catalytic activity, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being characterized by non-human cell derived sugar post-translational modifying groups.

B<sub>14</sub>

24. (Amended) A preparation comprising a protein of about 50 or about 65 kDa as determined by a denaturing polyacrylamide gel electrophoresis, said protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, respectively, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, the preparation being free of non-heparanase polypeptides encoded by human nucleic acid sequences.

B<sub>15</sub>

26. (Amended) An isolated protein of about 50 or about 65 kDa as determined by a denaturing polyacrylamide gel electrophoresis, said protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, respectively, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being substantially devoid of glycosilation.

B<sub>16</sub>

28. (Amended) A preparation comprising a protein of about 50 or about 65 kDa as determined by a denaturing polyacrylamide gel electrophoresis, said protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, respectively, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, the preparation being substantially free of a CXC chemokine or PAI1.

B<sub>17</sub>

30. (Amended) An isolated protein of about 50 or about 65 kDa as determined by a denaturing polyacrylamide gel electrophoresis, said protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to

B<sub>17</sub>  
(cont)

acquire said heparanase catalytic activity, respectively, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being characterized by insect cell derived sugar post-translational modifying groups.

B<sub>18</sub>

32. (Amended) An isolated protein of about 50 or about 65 kDa as determined by a denaturing polyacrylamide gel electrophoresis, said protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, respectively, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being characterized by non-human cell derived sugar post-translational modifying groups.

B<sub>19</sub>

40. (Amended) An isolated protein at least 70 % homologous to SEQ ID NO:10, 14 or 44, the protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said isolated protein being characterized by insect cell derived sugar post-translational modifying groups.

B<sub>4</sub>

44. (Amended) A preparation comprising a protein having a pair of glutamic acid residues participating in its active site and having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, the preparation being free of non-heparanase polypeptides encoded by human nucleic acid sequences.

B<sub>35</sub>

46. (Amended) An isolated protein having a pair of glutamic acid residues participating in its active site and having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein

including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being substantially devoid of glycosilation.

B6 48. (Amended) A preparation comprising a protein having a pair of glutamic acid residues participating in its active site and having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, the preparation being substantially free of a CXC chemokine or PAI1.

B7 50. (Amended) An isolated protein having a pair of glutamic acid residues participating in its active site and heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being characterized by insect cell derived sugar post-translational modifying groups.

B8 52. (Amended) An isolated protein having a pair of glutamic acid residues participating in its active site and having heparanase catalytic (endo-  $\beta$  -D-glucuronidase) activity or being cleavable so as to acquire said heparanase catalytic activity, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being characterized by non-human cell derived sugar post-translational modifying groups.

B20 54. (Amended) A preparation comprising a protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein being capable of eliciting an anti-heparanase antibody, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, the preparation being free of non-heparanase polypeptides encoded by human nucleic acid sequences.

B<sub>21</sub> 56. (Amended) An isolated protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein being capable of eliciting an anti-heparanase antibody, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being substantially devoid of glycosilation.

B<sub>22</sub> 58. (Amended) A preparation comprising a protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein being capable of eliciting an anti-heparanase antibody, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, the preparation being substantially free of a CXC chemokine or PAI1.

B<sub>23</sub> 60. (Amended) An isolated protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein being capable of eliciting an anti-heparanase antibody, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being characterized by insect cell derived sugar post-translational modifying groups.

B<sub>24</sub> 62. (Amended) An isolated protein having heparanase catalytic (endo-  $\beta$  -D-glucuronidase) activity or being cleavable so as to acquire said heparanase catalytic activity, said protein being capable of eliciting an anti-heparanase antibody, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof, said isolated protein being characterized by non-human cell derived sugar post-translational modifying groups.

B<sub>25</sub> 64. (Amended) An isolated protein having heparanase catalytic (endo-  $\beta$  -D-glucuronidase) activity or being cleavable so as to acquire said heparanase catalytic activity, said protein including a polypeptide at least 60% homologous to at least one of

B<sub>25</sub>  
(cont)

SEQ ID NOs: 10, 14, or 44 or portions thereof, said protein being capable of eliciting an anti-heparanase antibody.

Please add new claims 66-70:

66. (New) A preparation comprising a protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, said protein including a polypeptide at least 60% homologous to at least one of SEQ ID NOs: 10, 14, or 44 or portions thereof.

67. (New) The preparation of claim 66, wherein said polypeptide is characterized by being recombinant.

68. (New) A preparation comprising a recombinant protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, wherein said recombinant protein includes a polypeptide encoded by a polynucleotide capable of inducing heparanase activity after transfection into a cell, said cell being characterized by lacking such heparanase activity before said transfection, the preparation being free of non-heparanase polypeptides encoded by human nucleic acid sequences, the polypeptide having a pair of glutamic acid residues participating in its active site.

69. (New) A preparation comprising a recombinant protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, wherein said recombinant protein includes a polypeptide capable of being encoded by a polynucleotide capable of hybridizing to at least a portion of at least one of SEQ ID NOs: 9, 13, 42, or 43.

70. (New) A preparation comprising a recombinant protein having heparanase (endo-  $\beta$  -D-glucuronidase) catalytic activity or being cleavable so as to